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Zuschläge

- Mindermengenzuschlag
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- Gefahrgutzuschlag
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Streptavidin

CLPRO283
CLPRO283-2
CLPRO283-3
Lot: 619PSTREP24

Source: *Bacterium Streptomyces avidinii*

Description: Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a K_D of $\sim 1 \times 10^{-15} M$. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. Streptavidin has a molecular weight of 55 kDa.

Presentation: 2 mg (CLPRO283), 10 mg (CLPRO283-2), or 100 mg (CLPRO283-3), sterile filtered white-grey lyophilized (freeze-dried) powder. Lyophilized (1 mg/ml) in 50 mM NaCl, pH 9.0.

Solubility: Gives a clear solution at 5 mg/ml in 0.1 M NaCl.

Stability: Streptavidin, although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. For long term storage in dissolved form add 1 mM EDTA and/or 0.02% NaN₃. Please avoid freeze-thaw cycles.

Application: Streptavidin may be used to visualize biotin conjugated molecules in ELISA, blotting and histological techniques.

Specific Activity: Greater than 16.8 U/mg, 1 unit binds 1 µg biotin.

Laboratory Reagent For Research Use Only

MW 11/06/19

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